SEQUENCE LISTING

- (1) GENERAL INFORMATION
- (i) APPLICANT: Hermeking, Heiko Vogelstein, Bert Kinzler, Kenneth
- (ii) TITLE OF THE INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Banner & Witcoff
 - (B) STREET: 1001 G Street, NW
 - (C) CITY: Washington
 - (D) STATE: DC
 - (E) COUNTRY: USA
 - (F) ZIP: 20001
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette
 - (B) COMPUTER: IBM Compatible
 - (C) OPERATING SYSTEM: DOS
 - (D) SOFTWARE: FastSEQ for Windows Version 2.0
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE: 18-DEC-1997
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Kagan, Sarah A
 - (B) REGISTRATION NUMBER: 32141
 - (C) REFERENCE/DOCKET NUMBER: 1107.72886
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 202-508-9100
 - (B) TELEFAX: 202-508-9299
 - (C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1320 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GAGAGACACA	GAGTCCGGCA	TTGGTCCCAG	GCAGCAGTTA	GCCGCCGCC	CGCCTGTGTG	60
TCCCCAGAGC	CATGGAGAGA	GCCAGTCTGA	TCCAGAAGGC	CAAGCTGGCA	GAGCAGGCCG	120
AACGCTATGA	GGACATGGCA	GCCTTCATGA	AAGGCGCCGT	GGAGAAGGGC	GAGGAGCTCT	180
CCTGCGAAGA	GCGAAACCTG	CTCTCAGTAG	CCTATAAGAA	CGTGGTGGGC	GGCCAGAGGG	240
CTGCCTGGAG	GGTGCTGTCC	AGTATTGAGC	AGAAAAGCAA	CGAGGAGGGC	TCGGAGGAGA	300
AGGGGCCCGA	GGTGCGTGAG	TACCGGGAGA	AGGTGGAGAC	TGAGCTCCAG	GGCGTGTGCG	360
ACACCGTGCT	GGGCCTGCTG	GACAGCCACC	TCATCAAGGA	GGCCGGGGAC	GCCGAGAGCC	420
GGGTCTTCTA	CCTGAAGATG	AAGGGTGACT	ACTACCGCTA	CCTGGCCGAG	GTGGCCACCG	480
GTGACGACAA	GAAGCGCATC	ATTGACTCAG	CCCGGTCAGC	CTACCAGGAG	GCCATGGACA	540
TCAGCAAGAA	GGAGATGCCG	CCCACCAACC	CCATCCGCCT	GGGCCTGGCC	CTGAACTTTT	600
CCGTCTTCCA	CTACGAGATC	GCCAACAGCC	CCGAGGAGGC	CATCTCTCTG	GCCAAGACCA	660
CTTTCGACGA	GGCCATGGCT	GATCTGCACA	CCCTCAGCGA	GGACTCCTAC	AAAGACAGCA	720
CCCTCATCAT	GCAGCTGCTG	CGAGACAACC	TGACACTGTG	GACGGCCGAC	AACGCCGGGG	780
AAGAGGGGG	CGAGGCTCCC	CAGGAGCCCC	AGAGCTGAGT	GTTGCCCGCC	ACCGCCCCGC	840
CCTGCCCCCT	CCAGTCCCCC	ACCCTGCCGA	GAGGACTAGT	ATGGGGTGGG	AGGCCCCACC	900
CTTCTCCCCT	AGGCGCTGTT	CTTGCTCCAA	AGGGCTCCGT	GGAGAGGGAC	TGGCAGAGCT	960
GAGGCCACCT	GGGGCTGGGG	ATCCCACTCT	TCTTGCAGCT	GTTGAGCGCA	CCTAACCACT	1020
GGTCATGCCC	CCACCCTGC	TCTCCGCACC	CGCTTCCTCC	CGACCCCAGG	ACCAGGCTAC	1080
TTCTCCCCTC	CTCTTGCCTC	CCTCCTGCCC	CTGCTGCCTC	TGATCGTAGG	AATTGAGGAG	1140
TGTCCCGCCT	TGTGGCTGAG	AACTGGACAG	TGGCAGGGGC	TGGAGATGGG	TGTGTGTGTG	1200
TGTGTGTGTG	TGTGTGTGTG	CGCGCGCGCC	AGTGCAAGAC	CGAGACTGAG	GGAAAGCATG	1260
TCTGCTGGGT	GTGACCATGT	TTCCTCTCAA	TAAAGTTCCC	CTGTGACACT	САААААААА	1320

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 248 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

 Met Glu Arg Ala Ser Leu Ile Gln Lys Ala Lys Leu Ala Glu Gln Ala

 1
 5
 10
 15

 Glu Arg Tyr Glu Asp Met Ala Ala Phe Met Lys Gly Ala Val Glu Lys
 20
 25
 30

 Gly Glu Glu Leu Ser Cys Glu Glu Arg Asn Leu Leu Ser Val Ala Tyr
 35
 40
 45

Lys Asn Val Val Gly Gly Gln Arg Ala Ala Trp Arg Val Leu Ser Ser Ile Glu Gln Lys Ser Asn Glu Glu Gly Ser Glu Glu Lys Gly Pro Glu 70 Val Arg Glu Tyr Arg Glu Lys Val Glu Thr Glu Leu Gln Gly Val Cys 90 85 Asp Thr Val Leu Gly Leu Leu Asp Ser His Leu Ile Lys Glu Ala Gly 105 Asp Ala Glu Ser Arg Val Phe Tyr Leu Lys Met Lys Gly Asp Tyr Tyr 120 Arg Tyr Leu Ala Glu Val Ala Thr Gly Asp Asp Lys Lys Arg Ile Ile 135 Asp Ser Ala Arg Ser Ala Tyr Gln Glu Ala Met Asp Ile Ser Lys Lys 155 150 Glu Met Pro Pro Thr Asn Pro Ile Arg Leu Gly Leu Ala Leu Asn Phe 170 165 Ser Val Phe His Tyr Glu Ile Ala Asn Ser Pro Glu Glu Ala Ile Ser 185 Leu Ala Lys Thr Thr Phe Asp Glu Ala Met Ala Asp Leu His Thr Leu 205 200 195 Ser Glu Asp Ser Tyr Lys Asp Ser Thr Leu Ile Met Gln Leu Leu Arg 220 215 Asp Asn Leu Thr Leu Trp Thr Ala Asp Asn Ala Gly Glu Glu Gly Gly 235 230 Glu Ala Pro Gln Glu Pro Gln Ser 245

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 7680 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GGATCCCAG	CTGCCCCTCC	ACTTCTCTCC	CAAGCCAGGT	CCCGGCATGG	GTGGGTTATG	60
CTCATGCTG	CAATACTTGA	AACGGGTTTA	TTAATGCTGG	GTATTTTGCA	CAATTTTATA	120
	CTACATAGTC		GGAAGGAGAA			180
CTGTGTAGT	CCAGGTGAAG	GGTTATCAGA	AGGCTGGTTG	GTTTTAATAA	GTTTATTCCA	240
AGAGACCTT	TGGCTGGAAT	GAGTGAGAGT	GTGTGTGCAT	GTGTGTGT	GTTCATGTGT	300
GCCCTGTAT	AATGTGGCTG	GCTCCCAGAT	CCCCTGGGCT	GCCCCTGCC	CCATCCCCTT	360
	AAGCACTCTG					420
ACCCTGGGC	CCCACTGGGG	CTCAGCCCAG	CCTCCTATCT	TTCCTTCTTC	TATGGACTTC	480
AGACAGCCA		CTCTGCCACT				540
	CAGCTGGGAC					600
ATGGCTCTG	GGAGCGGCTG	CCATCCTACA	AGCCACACCC	CCTCCTCTGA	GCTCTGAATA	660
TGGGACCCA		TGGAAGACAA				720
GAGAAAAGG	A AGAAGGTGCA	GGGTGGGCCA	AGAGGCAAGT	GAAGGTTGGC	CTGAGTCTGG	780
GCCGGAAAC	r cagaggatgt	TTCTCCTCTG	CTGGGAGCTG	TAGTTTCTTA	TCAAAATAGA	840

TATTGTTCCA CCATCCCCT CCTTGGCCCT TCAAGTGGGC TGAAGCCTTG GAAAGTGACA 900 TAGGAAGTCC CCAGATCTTG CCCTTCTCAC TCCAGAGGCT AGTGGTCACA GACAGCTGGG 960 AATGCCAGCC ACAGAGGGTC CCTCTGGAGA AACAGCTTCA CCCCAGCCTC AGGGCCCTGG 1020 GCATCACTGC AGTGGCCCTG GGAGGTGAGG AAGAAGCTGG CTAGAGGAGG GGGCTCCCAC 1080 CTACCTTTTA TTTAAGCCAG TATTCTTTGT TCCTGCTTGT AATAAAACTT CAGTTTATAA 1140 GAGTTGCTTT GCTTTGGTTT GGTTTTTGTT TGCTTTTCCT TTGCTGAGGC CCCAACTGGG 1200 AGCCCTCTGT TCTTTCAGAC AAATTTGGTT CTTTCCTGGG GAGACTGTGA GAAGGCAGGC 1260 AGCCCAGTGA TCTGGCTACA TTTTCCCTCA CCTGGCTGGA GCTCTGTCCG CTGGAGGAAG 1320 AGCAGAGAGG GCTGCGGCTG AGCCCCCATG GGCACGTGAA AAGAGGCCAT CCTGTCCCCT 1380 CTTTGTCCCC TCCACCTTCC CCTGCCTCAG GGGCTTGGAG ACCCCAAATT CTTCTTCCCT 1440 ACTGCCTTTC CACTCCGATC CCCAATGAGT GCCCAGCTAA GAAAATGTTT GAGACAGTAG 1500 ATTCCAGTTT GAGAGCCGGA GCTTCCCTGG CTACCACCTC CAACCTGGGC ACCAGGGCCC 1560 AGCCAGACAA CTCATAACAC TGGCCCACCT CTCTGGTATC TCCCTCAGGA GGACACCTGT 1620 CAGGATTTTG CCATCTCCTG CACAGCCTGA GGGGAGCTAA CAGGCCTCTT TGCAGAGGGT 1680 TAGCTGGTAA GACCGTTTCT TCCCTGTCGG CCAGCACTGC CCGCTCCCCT CCACACACA 1740 TCTCATCCTC ATCGCATGCC TCGCCAACCC CATGGAGCCC GTCCATCTGT CTGGTGTGTG 1800 GTGCGGTGTG TGTGCTGGTG GTGGTAGGGT CTCCAGGGAC TCCCCGCTAA GCAGAAGGAT 1860 CGGGATATAG GGCAAGGCTA AAAGCCCAGC CCCATTGTGG ACTGAGGAAG TACGTTCGCG 1920 CAGAGCAGCT CTCCAGCTGG AAGAGGAGGT GGAGGGTGAG GCTGGGGAGA GGATGGCGAA 1980 CCTGCCCTGA GGTGCTTGGG TCTGTGCTGG TGGGGTCCTG GTATGCAGGG GCCACCGGTC 2040 ACTAACACTC TTATGTCCTG GCTTTCTGTC CCCGCTGAGC TTTCTCTCAC CCGCCCGTTT 2100 TCTCTCCTGC TTCATTGCCT GCTGCCTAAG CCTTGGCCCT TCTCTCGGGC AGAGGCAGGT 2160 GCTGTGGCAG CACCTCTCCC CACCACCGGG CCCCTGCAGG CCGCCTCCCT CCTCCCAGGC 2220 CTGCTAACCC TCTCTTCT CCTTCTTTGC TGTCCTGCCG GGGATCTCCA GTGTGTGCGG 2280 GGGCTTAAGG ACCTCCTGAG GACCGCTGCT CTCTGCCTCT CCAGGAATGG CCTGGGGGGA 2340 GCCAGGCACC CGGCACCTCC ACCTGCCTAA CCTGTGGCCC ATCTGCCACC ATCTGTGCCT 2400 ACAGGGTCTG CCCCCAGCC TGCCCGGCCT GTGTGCTCTC TAGGACCCCA TAGGGGGCAG 2460 GGGCTGGCCT CTTTGCCCCA TTCCCGCTCC ATGCCGGCCA GAGTGTAGAA AGCCATAACG 2520 CACGCAGCCA TCAGCACAAT AATGTGACTC TACGCTGATA TGCTCCCTCT CTCCTCCACT 2580 GACTTCCCCT TCCCGGATTT GTGAGGTGTC AAGACTAGGA ATCTGGCCTT AGAGCCTGCC 2640 CCTCCACCCC CTCAGATCAG GCATAGCCAT AGTCAAGCCC AGCAGGTTTC CTCAGGAGCT 2700 GTCTGGGGTG TTGATGGTGG ATGACGCTGC TGAACAAGTT TGGTGACTGT TCTAAGCACA 2760 ACTGGCTTGA TACTGTTCCC ACGGCCTGTC CACCTCCCAC CCCCAACCCT CCACCAGAGT 2820 AGGTAGGATG TAGGGAGGGT GCGTGCCGCC TTTGCTCTAG GCACTGAGGG ACCAAGCTAG 2880 CCGTGCACAG CCCCATACAC TTCAGGGGCG TAAAGGAAAG AGCTGAGCCA AGGAAAATCA 2940 GCTGAGCCCA GGGCTGGGGG CTGCTTGTCT GCTATCCTGT ACCTTTTTT TTTTTAACCA 3000 ANATANAGAT TCCCCTCTTC TTGCCATACC ATTGGCTGTC TGGTGGCGCC TTTACTTTGG 3060 GGCCCAGGGA TGGGACCTGC AGTGGGCGTG TGGAACATAT GGCTCCCCCT CGCTCCCAGC 3120 TTTCTTCCAG CTGGCCAGTG CTGCTCTGGA GATTTACAAG CACAACGAAG CCAGGAGGGA 3180 CACAGGAAAA GTGGCTGACA TCCTTTTCAC TCTGCCCCTC CAGAACTCTT GGTCTCAATT 3240 CCAGACACCA CCCAGCCTTA GCTGACCTCT GGATTCTGAT AGGTCCCAGT GCAGGCTGAG 3300 ACAGAGGGTT TAACTCCAGT TTGGGACTGC CATACCCATG AACTGAGCCC AGCCCAGGGT 3360 AACGATCTCA TGGAAACTTC TCTCTCCCCA GTTGCTGCAC TACATCAAGA TACACACATG 3420 TGCATACACT GTACTATGGG CTAAAAAAAT ACGTACCGCT ACCGTTCAGC AAGGGCTTGC 3480 CGAGTCCCGG GCCCATTTTC TCATCTTAAC CTGTGAGGAG GATGATGTCA GCCTTTTTAC 3540 AGATGAGGGA ACTGAGACTC AAGGAAGAAA CAGGAGCTGC CCAAGGTCAC CCAGCTGGCA 3600 AAGCAGCAAA TCCCAGATCG GAACCTGATC TCTGCCCCGA GCTCTGAGCC ATCTGCACTA 3660 CCCAAGGAAT GAATACAGCG GTGGGAGGAT GAGATCTTGG AGAAACCCTA AAATTAGAGA 3720 ATGTCATAGC CAGTAGAGGG CTTAGAGTTG ATCTGGGCCA GCCTCCTTGT TTTACTGATG 3780 GAGAAATTGA AGCCCAGAGG CAGGAAGGGA CCTGCCCAAG GCCTTATAAC AGAGCTGGGA 3840 TGCAGTCCCA CACTCTGACC TCATTCCATT CTCTCTCCAT AAATTCTGCA CTGTCTCTAG 3900 ACTGGACTGG TTTAGATGTG GGATACTCTA AACAGCAGTG CCTTCAAGAG AAAAAGAATC 3960

AGAACTACGA	ATCACTTAAA	AGTAATGTAA	GCTACTCTGG	GCACACTGCC	TATGGGGTCG	4020
CCCTGCTCCA	CAAGGAGCCA	CAAAAATAAT	TAAAATAATT	TAATATCCCT	TCCCAAAGGT	4080
AACCAGTAAA	GTAAGCTCTT	GGCTAGGTAA	CTGGACTCTT	GTTCACAACT	AGCCAGTGGG	4140
AAAAGGTGCT	AGAGCTTCCT	CTGGCCACCT	GTTTAATTTG	ATCATTCCAA	GACAGAAACA	4200
TTTCTTAGGA	AGTTCTTTCT	AGAATCTACC	TGGTGTCCCT	CCCACTGCTA	TCAGAGCCCT	4260
GTCCTCTGTC	CTCAGTGGAG	GTAGAGAGCA	AATGGTTGCT	GCTTTCTTCA	TCACAACCCT	4320
TCABAGCCTA	TTATTACCAG	CTAAGAAGGA	TTGGTTGACT	ATGGGCCAGA	GCCCCTGAGC	4380
CTGCTGGTAG	AATGGATGCT	GTACAGGAGG	GTGGGGAGGT	AGCAGGCAGA	ATGAGGAAAG	4440
CCCCTTTGAG	CTGCAACCCC	AGCTCCTGTC	CTGCTGACTC	AGACAGCTGA	CTGTGGAGCT	4500
CCATGCCCTG	CCAGGGCCTG	CTGCCTCCTG	CCCGTCTGAG	CTCCTGAACT	TGGGAAATGG	4560
AGGCCCAGAG	GCAAAGGGAG	GTACCTGAGA	CAGGAACTGA	GTCAGGATCA	ACAGGCCAGA	4620
	GGTATCAGGC					4680
GGAGTAGGAA	TGAAGGGGCT	TCCTTGCCCT	TGCTCATGGC	TATGCGGAGG	GCGTGAACCA	4740
CCACCAGGTC	CTCTGGCTTA	AGTGGCGGGA	AGCAAATGGT	CCCTCCCTGG	ACTCAGGCTC	4800
CAAAGTTCCT	GGGCCTGCCT	TCCAGGTTCC	CAGTGTCCTG	GGATCTCCAG	CTTTCCCCAG	4860
CARROTICCI	AGCCCCGGCT	GGATGACTAG	TACAAATGAA	GGCCCCTGAG	GTTCCAGGAC	4920
CTCCTCACCT	CACAGGAATA	TCCTAGATCA	AGCTTGTCCA	ACCCACGGCC	CACAGGCTGC	4980
ATCTCCCCCA	GAATGGCTTT	GAATGCAGCC	CAACACAAAT	TAGTAAACTT	TCTTAAAACA	5040
MENTONCOCCE	TTTTTGCAAA	ԱՄԱՐԵՐԻՐԻՐ	тттттасст	CATCAGTTAT	TGGTAGTGTT	5100
TIMIGNOMIT	ATGTGTGGCC	CANCACANTT	CTTCCAATGT	GGCCCAGGGA	AGCCAAAAGA	5160
GGIMINITII	CTGTCCTAGA	TGGAGAGGAA	GGAGGCAGTG	CTGAGCACAT	CTGGCCATTC	5220
A TOGACACGC	AGAGAGAAGG	CTATGGGCAA	ACTGCTTCCT	CTCCCCTGTA	GACACCCAGC	5280
MCCCATCIGG	TGGCCTTTGG	TAACTCCTGG	CTTGGGGTCC	TTCCTCATTT	CACAGAACCT	5340
	TAGTGCTTTG					5400
	TAATAGTTGT					5460
	GCTGAGGCAG					5520
	AACCACATCT					5580
AACATGGTGA	CCTTGTAATC	CCACCTACTC	CCCACCCTGA	GGCAGGAGAA	TCACTTGAAC	5640
GGTGGTGCAC	GAGGTTGCAG	TCACCTCACA	TTGTGCCACT	ACACTCCAGC	CTGGGTGACA	5700
	TCCGTCTCAA					5760
MA COCCOMO	TCCATTAACT	CCTCTAATCC	TCACAAGTCC	CATTTTATAG	TTACAGGAAC	5820
TACTGTGCTT	AGAGCTTAAA	TCACTTCCCCC	DAGGCCACAA	ACAGCTATAA	GAATTACATT	5880
TGAGGCTCAC	GATTCCAAAG	ATACTAGTCT	ATTCTGTATC	TCATAGACAA	ACAATACATA	5940
TAGGCAGTCI	TGTTGTTGTT	TIACIAGICI	ACCCACTOTT	GCTCTGTCAC	CCAGGCTGGA	6000
	GCCATCTCGG					6060
	TCCCGAGTAG					6120
TGCCTCAGCC	AGTAGAGACA	CCCTTTTCCT	GGGTTAGCCA	GAATGGTCTC	GATCTCCTGA	6180
TIGIATITI	CACCCACCTC	ACCUTCCOA	AGTGCTGAGA	TGACAGGCGT	GAGCCACCGC	6240
CTTGTGATC	TATTCACTAT	ТТАТАААТТС	GAGAGAATAA	GAAAATCAAA	AGGGCCAGGT	6300
	ACACCTGTAA					6360
ACCCACACC	TCGAGACCAG	CCTGGGCAAC	ATGGTGAGAC	CCTGTCTCTA	CAAAAAATAC	6420
	TGGGCGTTGT					6480
AAAAATTAGC	AAGGAGGTTG	ACACTCCACT	CACCTGTGAT	CATACCACTG	TACTTCAGCC	6540
ACCTGAGGCC	AGTAAGACCC	TATCTCTA A A	AACCAAATTC	AGAAGAAAGA	AAATCAAAGG	6600
TGGACATCAG	CACTCACTCT	THICICIANA	ARGGRARIIG	TAGAAGTTGG	TATTTAGTG	6660
GAAGCAAAAT	CACTCACTCT	CHCIACCICA	TGY TACCOLC	TUGUNGTIGG	GGACGTCAAA	6720
TGGTTCCTAT	CCTTTACTTC	GICAGIICIC	CACATIGAGO	AGCCCAGACA	TGTCCCTACT	6780
CORCOMBORO	CCTITUCITO	CTIGGRANCC	TTTTGCTCCC	AGAGTTCTGG	CCTAAGCCTC	6840
COTCOTTGTG	CCAACATCAC	TCTTCTCGTC	СТСАСАСТАС	CTGGGGGAGA	CACAGGCCTG	6900
TOT CONGRESS	CACCCACS & C	ТОТТОЛОЛОЛ	GCAGAATCCC	AGTGAAGGGA	GCCTACCTC	6960
TGAAATTATC	CTGGCTCHAC	THI THOUSE	CCCCACATAA	GCAGGAATCC	ATCCCTATAG	7020
COMONAMOCO	OTUNGCITIG	CCTUIGGIG	TTCDTCATA	TTGAGGCCAG	GGCTCCGGCA	7080
GUTUAATGCC	MACACCUTTA	GGIGNAMCIC	TIGHTGHUNC	TIGNGGCCNG	2221202001	

AGCAGGGAAA GAACGTTGGC AACAGAGGTC TCCATCTCTG AGGACTCTGC CAGGGGTCAG	7140				
AGATGGGGCA ATGGTCAAAA GGAAGGAACA GGCCAGGCAC AGTGGCTCAT GCCCATAATC	7200				
CCAGCACTTT GGGAGGCTGA GGCAGGAGGA TCGCTTGAGC CCAGGAGTTT GAGACCTGCC	7260				
TGGGCAATGT AGTGAGATCT GCTCTCTATT TAAAAAAAA AAAAAGGAAA GAACAAGTAA	7320				
ACTTCTGAGA AACAGGCTGG GGGAGGCATC ACGTAGCTGG AATTGCTGCC CCATAAAACA	7380				
GAATGGTATG TGTCACTGCC ACCTCCCTTT CTCAGTCCTC TCTCTCCCCA GGTTGCTAGC	7440				
GTCCCCCTGG GGGATCAAAC TGGACTGCTT CCCAGCCTCA GACAGAGAGC AGTCTGAGTC	7500				
AGGCAGGAAA GTGGGACAGC CGGGGAGCTG GACCCCACCC TCTGTGAGCC CCGCTGGTAC	7560				
CTGATGGCAT GTGGCTTGGA GAGGGCAGGT GACCTGGCGT GGAGGGCCAG AGGGTAAATC	7620				
CTCAAACAAG TGGCAACAGG CCACCAACTT GAAAGGGAAA ATTGTGTAGT GATGGGAAAT	7680				
 (2) INFORMATION FOR SEQ ID NO:4: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4: 					
AGGCATGTGC CACCATGCCC	20				
(2) INFORMATION FOR SEQ ID NO:5: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid					
(i) SEQUENCE CHARACTERISTICS:					
(A) LENGTH: 23 base pairs					
(B) TYPE: nucleic acid					
(C) STRANDEDNESS: single					
(D) TOPOLOGY: linear					
(ii) MOLECULE TYPE: cDNA					
(ii) MOLECULE TYPE: cDNA (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:					
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:					
à Tarrig	_				
GTAGCATTAG CCCAGACATG TCC	23				